

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-20 (Cancelled).

21. (Currently Amended) A system for controlling power supplied to a utility network, comprising:

a detector to detect a characteristic of power on a grid line of the utility network;

an accelerator to provide an accelerating response function in response to a change in the characteristic; and

circuitry to control the power supplied to the utility network based on the accelerating response function, the circuitry comprising a power converter that operates in accordance with the accelerating response function;

wherein the circuitry controls the power supplied to the utility network so as to reduce an islanding condition of a power source relative to the utility network.

22. (Previously Presented) The system of claim 21, wherein the characteristic relates to voltage on the grid line.

23. (Previously Presented) The system of claim 22, wherein the characteristic comprises at least one of a direction and an amount of voltage change on the grid line.

24. (Previously Presented) The system of claim 21, wherein the characteristic comprises signal frequency on the grid line.

25. (Previously Presented) The system of claim 21, wherein the circuitry controls the power by changing a voltage on the grid line in a same direction as the change.

26. (Previously Presented) The system of claim 21, wherein:
the detector comprises a voltage detector to detect voltage on the grid line; and
the system further comprises a frequency detector to detect a frequency of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based on outputs of both the frequency detector and the voltage detector.

27. (Previously Presented) The system of claim 26, further comprising a phase detector to detect a phase of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based also on an output of the phase detector.

28. (Previously Presented) The system of claim 27, wherein the circuitry comprises a zero crossing detector which detects a loss of power in the utility network based on an output of the phase detector.

29. (Currently Amended) The system of claim 21, further comprising the a power source to supply the power to the utility network.

30. (Currently Amended) A method of controlling power supplied to a utility network, comprising:

detecting a trend in voltage on the utility network;

providing an accelerating response function in response to the trend; and

controlling a power converter, which supplies the power to the utility network, in accordance with the accelerating response function;

wherein controlling comprises controlling the power converter to supply power to the utility network so as to reduce an islanding condition of a power source relative to the utility network.

31. (Previously Presented) The method of claim 30, wherein the trend comprises a change in voltage on the utility network.

32. (Previously Presented) The method of claim 31, wherein controlling comprises changing a supply of voltage to the utility network in a same direction as the change in voltage on the utility network.

33. (Previously Presented) The method of claim 31, wherein the change in voltage comprises at least one of a change in voltage level and a change in voltage frequency.

34. (Cancelled)

35. (Previously Presented) The method of claim 30, wherein the accelerator operates in accordance with the trend.

36. (Currently Amended) An apparatus for controlling power supplied to a utility network, comprising:

circuitry to detect a trend in voltage on the utility network;

an accelerator that provides an accelerating response function in response to the trend; and

circuitry to control a power converter, which supplies the power to the utility network, in accordance with the accelerating response function;

wherein the circuitry to control the power converter controls the power converter to supply power to the utility network so as to reduce an islanding condition of a power source relative to the utility network.

37. (Previously Presented) The apparatus of claim 36, wherein the trend comprises a change in voltage on the utility network.

38. (Previously Presented) The apparatus of claim 37, wherein the circuitry to control the power converter comprises circuitry to change a supply of voltage to the utility network in a same direction as the change in voltage on the utility network.

39. (Previously Presented) The apparatus of claim 37, wherein the change in voltage comprises at least one of a change in voltage level and a change in voltage frequency.

40. (Currently Amended) The apparatus of claim 36, further comprising a the power source;

~~wherein the circuitry to control the power converter controls the power supplied to the utility network so as to reduce an islanding condition of the power source relative to the utility network.~~

41. (Previously Presented) The apparatus of claim 36, wherein the accelerator operates in accordance with the trend.

42. (Currently Amended) A system for controlling power supplied to a utility network, comprising:

a detector to detect a characteristic of power on a grid line of the utility network and to measure a change in the characteristic, the detector comprising a voltage detector to detect voltage on the grid line;

~~an accelerator to measure a change in the characteristic;~~

circuitry to control the power supplied to the utility network based on the change in the characteristic;

a frequency detector to detect a frequency of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based on outputs of both the frequency detector and the voltage detector; and

a phase detector to detect a phase of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based also on an output of the phase detector.

43. (Previously Presented) The system of claim 42, wherein the circuitry comprises a zero crossing detector which detects a loss of power in the utility network based on an output of the phase detector.

44. (Currently Amended) A system for controlling power supplied to a utility network, comprising:

a detector to detect a characteristic of power on a grid line of the utility network;
and ~~an accelerator~~ to measure a change in the characteristic;

circuitry to control the power supplied to the utility network based on the change in the characteristic; and

a phase detector to detect a phase of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based also on an output of the phase detector.

45. (Previously Presented) The system of claim 44, wherein the circuitry comprises a zero crossing detector which detects a loss of power in the utility network based on an output of the phase detector.

46. (New) A system for controlling power supplied to a utility network, comprising:

a detector to detect a characteristic of power on a grid line of the utility network;

an accelerator to provide an accelerating response function in response to change in the characteristic; and

circuitry to control the power supplied to the utility network based on the accelerating response function, the circuitry comprising a power converter that operates in accordance with the accelerating response function;

wherein the characteristic comprises at least one of a direction and an amount of voltage change on the grid line.

47. (New) The system of claim 46, wherein the circuitry controls the power by changing the voltage on the grid line in a same direction as the change.

48. (New) The system of claim 46, wherein:

the detector comprises a voltage detector to detect voltage on the grid line; and

the system further comprises a frequency detector to detect a frequency of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based on outputs of both the frequency detector and the voltage detector.

49. (New) The system of claim 48, further comprising a phase detector to detect a phase of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based also on an output of the phase detector.

50. (New) The system of claim 49, wherein the circuitry comprises a zero crossing detector which detects a loss of power in the utility network based on an output of the phase detector.

51. (New) The system of claim 46, further comprising a power source to supply the power to the utility network.